

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Seo Weon Heo; Ivonete Markman; Jeongsoon Park; Saul Brian Gelfand  
Int'l Appln. No. : PCT/US03/10889  
Int'l Filed : April 9, 2003  
For : DECISION FEEDBACK EQUALIZER

APPOINTMENT OF ASSOCIATE ATTORNEY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

I, Ronald H. Kurdyla, an attorney of record, hereby appoint Joseph J. Opalach, Reg. No. 36,229, Telephone: (609-734-6839), as associate attorney in the above-identified application, with full power to prosecute the above-identified application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

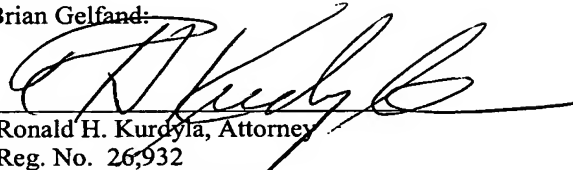
PLEASE ADDRESS ALL FUTURE COMMUNICATIONS TO:

Joseph S. Tripoli  
Patent Operations  
THOMSON Licensing Inc.  
P.O. Box 5312  
Princeton, NJ 08543-5312

Respectfully submitted,

Seo Weon Heo  
Ivonete Markman  
Jeongsoon Park  
Saul Brian Gelfand:

By

  
Ronald H. Kurdyla, Attorney  
Reg. No. 26,932  
Phone: (609) 734-6818

Date: October 14, 2004

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> (37 CFR 1.63)	<b>Attorney Docket Number</b>	PU020118
	<b>First Named Inventor</b>	Seo Weon Heo, et al.
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	/
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	
<input checked="" type="checkbox"/> Declaration Submitted With Initial Filing	OR	<input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)
<b>Examiner Name</b>		

**As a below named inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DECISION FEEDBACK EQUALIZER** ✓

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)
60/373,970 ✓	04/16/2002 ✓

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or Bar Code Label  OR ☒ Correspondence address below

Name <u>JOSEPH S. TRIPOLI</u>		
Address <u>THOMSON MULTIMEDIA LICENSING INC.</u>		
Address <u>P.O. Box 5312</u>		
City <u>PRINCETON</u>	State <u>NJ</u>	ZIP <u>08543-5312</u>
Country <u>USA</u>	Telephone <u>(609) 734 - 6818</u>	Fax <u>(609) 734 - 6888</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**NAME OF SOLE OR FIRST INVENTOR:**

☐ A petition has been filed for this unsigned inventor

Given Name <u>SEO WEON</u>	Family Name <u>HEO</u> or Surname
----------------------------	--------------------------------------

Inventor's Signature	Date <u>Mar 18, 2003</u>
----------------------	--------------------------

Residence: City <u>Seoul</u>	State <u>South Korea</u>	Country <u>South Korea</u>	Citizenship <u>Korean</u> ✓
------------------------------	--------------------------	----------------------------	-----------------------------

Mailing Address 127-18 Gaebongbon-Dong, Guro-Gu, Seoul, South Korea 152-090

Mailing Address			
City <u>Seoul</u>	State <u>South Korea</u>	ZIP <u>152-090</u>	Country <u>South Korea</u>

**NAME OF SECOND INVENTOR:**

☐ A petition has been filed for this unsigned inventor

Given Name <u>IVONETE</u>	Family Name <u>MARKMAN</u> or Surname
---------------------------	--

Inventor's Signature	Date
----------------------	------

Residence: City <u>Carmel</u>	State <u>Indiana</u>	Country <u>USA</u>	Citizenship <u>Brazilian</u>
-------------------------------	----------------------	--------------------	------------------------------

Mailing Address 11388 Royal Court

Mailing Address			
City <u>Carmel</u>	State <u>Indiana</u>	ZIP <u>46032</u>	Country <u>USA</u>

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet Page 1 of 1
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
JEONGSOON		PARK	
Inventor's Signature		Date	
Residence: City	West Lafayette	State	Indiana
		Country	USA
Citizenship		Korean	
Mailing Address 738 Young Graduate House			
Mailing Address			
City	West Lafayette	State	Indiana
		ZIP	47906
		Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
SAUL BRIAN		GELFAND	
Inventor's Signature		Date	
Residence: City	Lafayette	State	Indiana
		Country	USA
Citizenship		USA	
Mailing Address 70 Sugar Maple Court			
Mailing Address			
City	Lafayette	State	Indiana
		Zip	47905
		Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
		Country	
Citizenship			
Mailing Address			
Mailing Address			
City		State	
		Zip	
		Country	

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration  
Submitted With Initial  
Filing **OR** ☐ Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

**Attorney Docket Number** PU020118  
**First Named Inventor** Seo Weon Heo, et al.

**COMPLETE IF KNOWN**

**Application Number** /  
**Filing Date**  
**Group Art Unit**  
**Examiner Name**

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the specification of which (Title of the Invention)

☐ is attached hereto

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Application Number and was amended on (MM/DD/YYYY) (if applicable).

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I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
60/373,970 ✓	04/16/2002 ✓	

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<b>Name</b> JOSEPH S. TRIPOLI					
<b>Address</b> THOMSON MULTIMEDIA LICENSING INC.					
<b>Address</b> P.O. Box 5312					
<b>City</b> PRINCETON			<b>State</b> NJ		<b>ZIP</b> 08543-5312
<b>Country</b> USA		<b>Telephone</b> (609) 734 - 6818			<b>Fax</b> (609) 734 - 6888
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
<b>NAME OF SOLE OR FIRST INVENTOR:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Given Name</b> SEO WEON			<b>Family Name</b> HEO or Surname		
<b>Inventor's Signature</b>					<b>Date</b>
<b>Residence: City</b> Seoul		<b>State</b> South Korea	<b>Country</b> South Korea		<b>Citizenship</b> Korean
<b>Mailing Address</b> 127-18 Gaebongbon-Dong, Guro-Gu, Seoul, South Korea 152-090					
<b>Mailing Address</b>					
<b>City</b> Seoul		<b>State</b> South Korea	<b>ZIP</b> 142-090	<b>Country</b> South Korea	
<b>NAME OF SECOND INVENTOR:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Given Name</b> IVONETE			<b>Family Name</b> MARKMAN or Surname		
<b>Inventor's Signature</b> Ivonete Markman			<b>Date</b> 03/12/03		
<b>Residence: City</b> Carmel IN		<b>State</b> Indiana	<b>Country</b> USA		<b>Citizenship</b> Brazilian ✓
<b>Mailing Address</b> 11388 Royal Court					
<b>Mailing Address</b>					
<b>City</b> Carmel		<b>State</b> Indiana	<b>ZIP</b> 46032	<b>Country</b> USA	
<input checked="" type="checkbox"/> Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page 1 of 1
--------------------	---

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
JEONGSOON		PARK	
Inventor's Signature		Date	
Residence: City	West Lafayette	State	Indiana
		Country	USA
Mailing Address		Citizenship	
738 Young Graduate House		Korean	
Mailing Address			
City	West Lafayette	State	Indiana
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		Country	
		USA	
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SAUL BRIAN		GELFAND	
Inventor's Signature		Date	
Residence: City	Lafayette	State	Indiana
		Country	USA
Mailing Address		Citizenship	
70 Sugar Maple Court		USA	
Mailing Address			
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		Country	
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Mailing Address			
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		Zip	
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Attorney Docket Number PU020118

First Named Inventor Seo Weon Heo, et al.

**COMPLETE IF KNOWN**

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Examiner Name

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Address	THOMSON MULTIMEDIA LICENSING INC.					
Address	P.O. Box 5312					
City	PRINCETON		State	NJ		ZIP
						08543-5312
Country	USA		Telephone	(609) 734 - 6818		Fax
						(609) 734 - 6888
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.						
NAME OF SOLE OR FIRST INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name	SEO WEON		Family Name HEO or Surname			
Inventor's Signature						Date
Residence: City	State	Country	Citizenship			
Seoul	South Korea	South Korea	Korean			
Mailing Address 127-18 Gaebongbon-Dong, Guro-Gu, Seoul, South Korea 152-090						
Mailing Address						
City	State	ZIP	Country			
Seoul	South Korea	142-090	South Korea			
NAME OF SECOND INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name	IVONETE		Family Name MARKMAN or Surname			
Inventor's Signature						Date
Residence: City	State	Country	Citizenship			
Carmel	Indiana	USA	Brazilian			
Mailing Address 11388 Royal Court						
Mailing Address						
City	State	ZIP	Country			
Carmel	Indiana	46032	USA			
<input checked="" type="checkbox"/> Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.						

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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Surname		
JEONGSOON			PARK		
Inventor's Signature <i>Jeongsoo Park</i>				Date <i>3/20/03</i>	
Residence: City	<del>West</del> Lafayette	IN State	Indiana	Country	USA
				Citizenship	Korean <input checked="" type="checkbox"/>
Mailing Address <i>738 Young Graduate House 321 RAVENWOOD LANE, APT. C</i>					
Mailing Address					
City	West Lafayette	State	Indiana	ZIP	47909
				Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Surname		
SAUL BRIAN			GELFAND		
Inventor's Signature <i>Saul Gelfand</i>				Date <i>3/27/03</i>	
Residence: City	Lafayette	IN State	Indiana	Country	USA
				Citizenship	USA <input checked="" type="checkbox"/>
Mailing Address <i>70 Sugar Maple Court</i>					
Mailing Address					
City	Lafayette	State	Indiana	Zip	47905
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Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Surname		
Inventor's Signature				Date	
Residence: City		State		Country	Citizenship
Mailing Address					
Mailing Address					
City	State		Zip	Country	

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